

# USER MANUAL

## Portable Laser Engraving Machine APP

FCC Warning  
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
-Reorient or relocate the receiving antenna.  
· Increase the separation between the equipment and receiver.  
· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
· Consult the dealer or an experienced radio/TV technician for help.  
Radiation Exposure Statement  
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.



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## Step 1

### Download APP

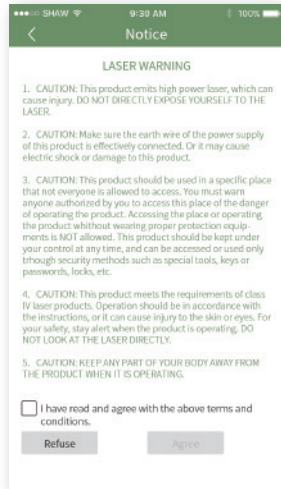
Scan the QR code below, download and install LaserCube APP.



## Step 2

### Open APP

Open the APP and read the notice and disclaimers carefully. Check and accept terms and conditions, then enter the Bluetooth List.



## Step 3

### Bluetooth Connection

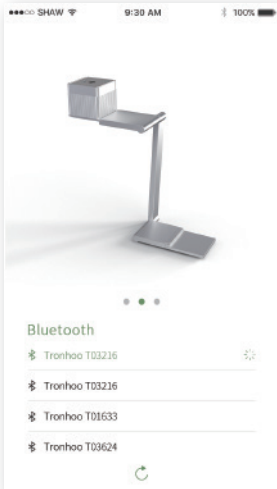
Turn on the mobile phone's Bluetooth function.

Power on the device, then the Bluetooth indicator flashes and the laser lights up.

Click the device to be connected in the Bluetooth List, then enter the APP Home page after successful connection.

Note: The laser lights up after power on is only an indicative light, not in the engraving state.

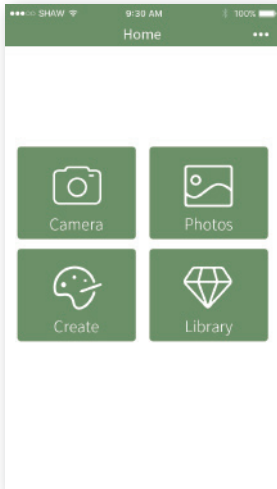
If the device is not displayed in the Bluetooth list, click below and wait for a second and try again.



## Step 4

### Home Page

- Camera: Click and enter the Camera page.
- Photos: Click and enter the Photos page.
- Create: Click and enter the Create page.
- Library: Click and enter the Library page.
- More: Click on the upper right for more settings.



## Step 5

### Get a Picture

User can get a picture for engraving by [Camera], [Photos], [Create] or [Library].

#### • Camera

Take a photo by the mobile phone camera. Resize the photo then click and enter the Adjust Picture page.

Note: Access to mobile phone camera is required.

#### • Photos

Select a photo from the mobile phone album. Resize the photo, then click and enter the Adjust Picture page.

#### • Create

User can use either [Text] or [Drawing] to create.



## Step 5

### Get a Picture

#### • Text

User can create text content in this page.

After the creation, click and enter the Adjust Picture page.

## Step 5

### Get a Picture

#### • Drawing

User can draw a picture freely in this page.

After the creation, click and enter the Adjust Picture page.



## Step 5

### Get a Picture

#### • Library

Select a picture from the APP Library.

Resize the picture, then click and enter the Adjust Picture page.

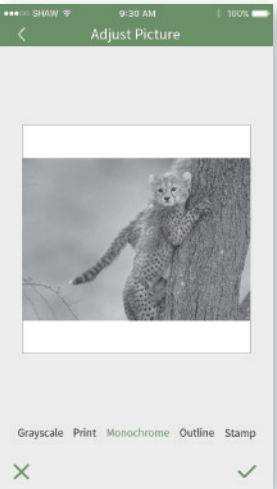


## Step 6

### Adjust Picture

Choose one of the picture adjustment modes below.

Click and enter the Edit Picture page.



## Step 7

### Edit Picture

- Trim: Click and enter the Trim page.
- Text: Click and enter the Text page.
- Eraser: Click and enter the Eraser page.

After editing, click and enter the Engraving Settings page.



## Step 7

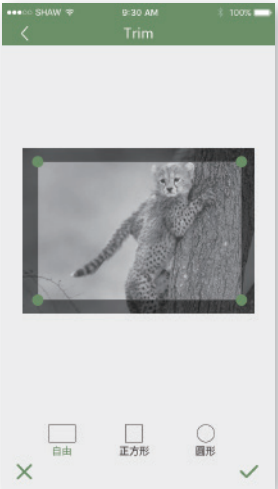
### Edit Picture

#### • Trim

User can trim the picture to specific shape or size.

- Free: Length and width can be scaled at any scale.
- 1:1: Length and width are scaled equally.
- Circle: Trim with a circular area.

Click to save and return to Edit Picture page.




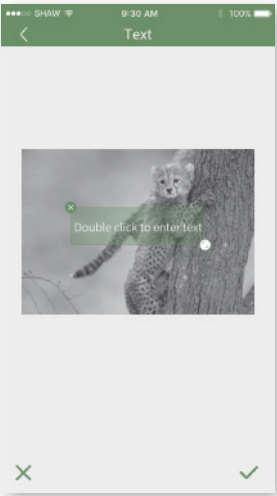
## Step 7

### Edit Picture

- **Text**

User can add text on the picture.

Click  to save and return to Edit Picture page.



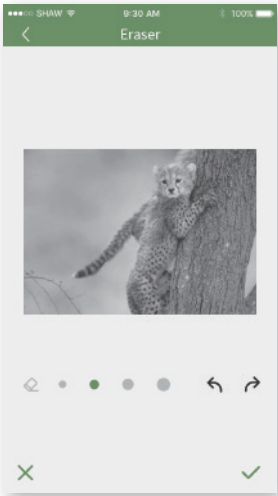
## Step 7

### Edit Picture

- **Eraser**

User can erase the contents on the picture.

Click  to save and return to Edit Picture page.

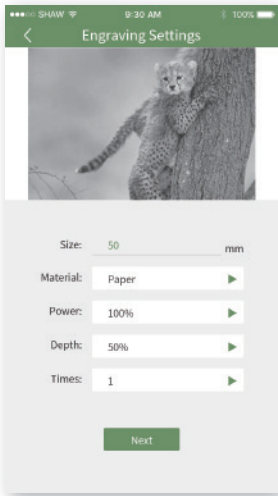


## Step 8

### Engraving Settings

- **Size:** Enter the engraving size, maxium 100mm.
- **Material:** Select according to the material to be engraved, engraving power and depth will be adjusted accordingly.
- **Power:** Adjust the power of the laser.
- **Depth:** Adjust the engraving depth.
- **Times:** Select the number of times of engraving.

After setting, click [Next] to enter the Preview page.



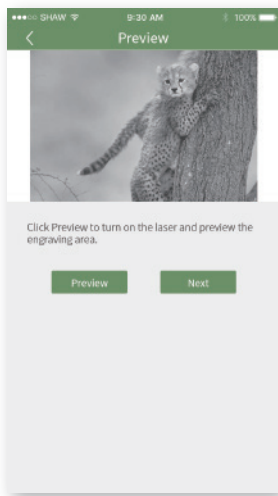
## Step 9

### Preview

Click [Preview] to turn on the laser, and the laser will move around the engraving area.

If the engraving area is good, click [Next], and then user will be prompted to enter the security code.

Enter the correct security code, then enter the Upload page and ready to engrave.



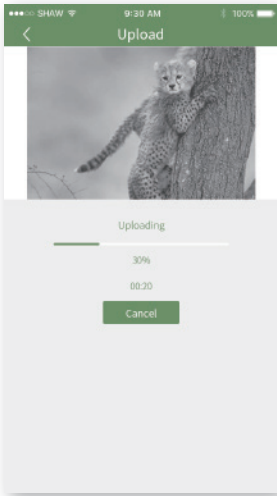
## Step 10

### Upload

User can check the upload progress and time in this page.

Click [Cancel] to stop uploading and return to Home page.

After uploading, engraving will start automatically.



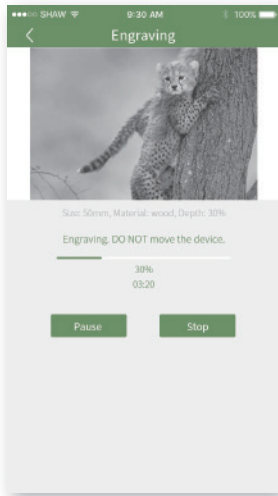
## Step 11

### Engraving

User can check the engraving progress and time in this page.

Click [Pause] to pause engraving, then click [Resume] to continue engraving.

Click [Stop] and will be prompted to confirm stopping engraving. Engraving cannot be resumed after stopping.

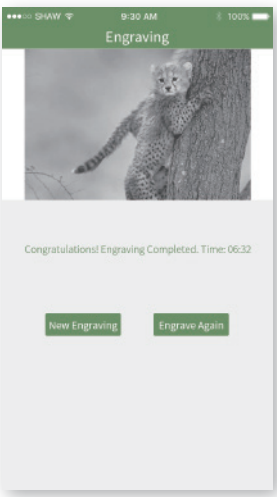


## Step 12

### Finish

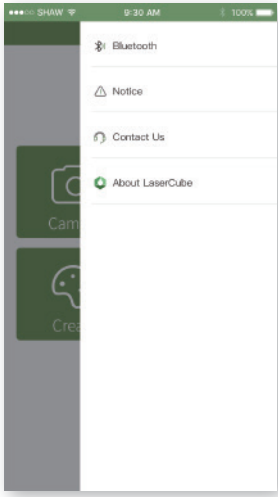
Click [New Engraving] and return to Home page.

Click [Engrave Again] to engrave the same content of this engraving again.



## More Settings

- Bluetooth:
- Notice:
- Contact Us:
- About LaserCube:




## More Settings

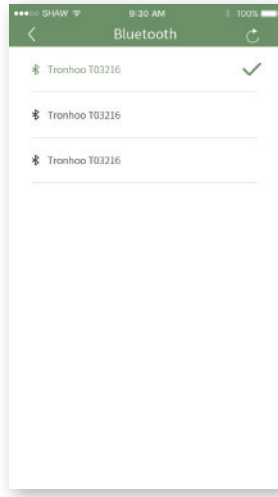
### Bluetooth

The Bluetooth list shows the devices that can be connected.

There will be a  behind the connected device.

Click the connected device to disconnect.

If the device is not in the list, click  on the upper right and wait for a second to try again.



## More Settings

### Notice

Warning, notice, safety guide and disclaimers.

## More Settings

### Contact Us

Contact information of TronHoo.



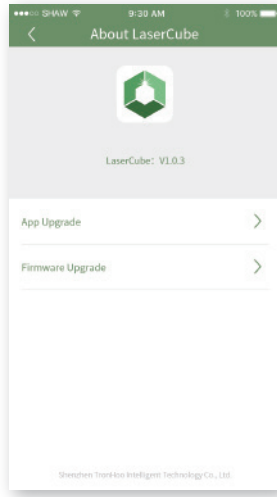
## More Settings

### About LaserCube

User can view version information on this page.

- **App Upgrade:** Click to upgrade APP version.
- **Firmware Upgrade:** Click to upgrade firmware version of the device.

Note: Long press the LaserCube logo can access Adjust Laser page.



## More Settings


### Adjust Laser

This page can be accessed by long pressing the LaserCube logo in About LaserCube page.

The laser of the device has been adjusted before leaving the factory. Do not adjust the laser at will, otherwise the device may not work well.

If the laser deviate from the center due to accident, it can be fixed in the page.

If the laser is off, click [Turn on Laser] to light up the laser.

After adjusting, click [Save] to save the setting. Click  to return.

